

IN THE ABSTRACT:

Please replace the abstract with the following:

Disclosed is a multiple test system for use in vehicles for inspecting the operation of an ignition system. ~~tem, more particularly, which upon application of a~~ A high voltage waveform is applied to an ignition plug and detected by a Hall sensor. ~~ug, outputs the waveform of the high voltage from the ignition plug by detecting the same with a Hall sensor so that the high voltage can be compared with a reference voltage having a predetermined high voltage waveform in order to inspect whether the ignition system operates normally. The test system of the invention is connected to a cable of the ignition plug via the Hall sensor, and sets a reference voltage value with respect to the high voltage waveform to~~ The multiple test system compares the detected voltage waveform from the ignition plug with [[the]] a reference value, and calculates in order to calculate maximum, minimum and mean values of the voltage waveform. Ignition energy is inspected based upon output results so that by a user can readily judge whether for determining if to replace a component needs to be replaced. or not. The test system of the invention can also inspect engine RPM, the voltage/current of an electric generator, the compression pressure of a cylinder and resistance as well as ignition energy.